

Work Plan

For the

Performance Partnership Grant (PPG)

Base Program

Components and Key Commitments

For

April 1, 2013 - March 31, 2014

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Performance Partnership Grant Components and Key Commitments

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Reporting on Progress

The PPG tasks define the Components and commitments which the New York State Department of Environmental Conservation (DEC) will endeavor to achieve during the State fiscal year which begins April 1, 2013 and ends on March 31, 2014. DEC maintains data for the various data bases EPA uses to collect information from the states on the progress of their programs. DEC will provide the EPA with a semi-annual PPG Status Report for each Component and commitment herein contained by October 31, 2013 and April 30, 2014.

The PPG Status Report will specify two different reporting mechanisms. For each Component and commitment where EPA has an established data base to collect information, DEC will refer to that data base. That data base will be the mechanism to report progress on those Components and commitments. Where EPA does not have a corresponding data base to collect information, DEC will provide a narrative report on progress. In addition, several of the elements will be reported through the existing SNAP process.

DEC will advise the EPA whether or not the commitment has been met, is on schedule to be met or is not expected to be met. In the latter case, the DEC will explain the reason for not achieving the commitment and when it is likely to be met. The EPA will review the PPG Status Report and advise the DEC of its concerns by November 30, 2013 and May 31, 2014. The DEC will attend any meeting requested by the EPA which is needed to clarify and/or resolve any issues and concerns.

Abbreviations and Acronyms

1. ACJ - Amended Consent Judgment
2. AOC - Area of Concern
3. ACWA - Association of Clean Water Administrators
4. BMP - Best Management Practice
5. BUI – Beneficial Use Impairment
6. CAFO - Concentrated Animal Feeding Operation
7. CAS - Compliance Assurance Strategy
8. CBP - Chesapeake Bay Program
9. CERG - Compliance Enforcement Response Guide
10. CMOM - Capacity Management Operation & Maintenance
11. CPM - Core Performance Measures
12. CROMERR - Cross-Media Electronic Reporting Regulation
13. CSO - Combined Sewer Overflow
14. DEC - Department of Environmental Conservation
15. DMR - Discharge Monitoring Report
16. DOS - Department of State
17. DOT - Department of Transportation
18. EFC Environmental Facilities Corporation
19. EOH - East of Hudson
20. EPA - Environmental Protection Agency
21. EBPS - Environmental Benefit Permit Strategy
22. GROG - Grants Reporting and Oversight Group
23. GLNPO - Great Lakes National Program Office
24. GLI - Great Lakes Initiative
25. GLWQA – Great Lakes Water Quality Agreement
26. GP 04-02 - General Permit for Concentrated Animal Feeding Operations
27. GRTS - Grants Reporting and Tracking System
28. HEP - Harbor Estuary Program
29. HVHF - High Volume Hydraulic Fracturing
30. ICIS - Integrated Compliance Information System
31. IJC – International Joint Commission
32. LEMC – Lake Erie Management Committee
33. LEWG – Lake Erie Work Group
34. LISS – Long Island Sound Strategy
35. LO LaMP - Lake Ontario Lakewide Management Plan

36. LaMP - Lakewide Management Plan
37. LOMC - Lake Ontario Management Committee
38. LOWG - Lake Ontario Work Group
39. LTCP - Long-term Control Plans
40. MCM - Minimum Control Measures
41. MOA - Memorandum of Agreement
42. MOU - Memorandum of Understanding
43. MS4 - Municipal Separate Storm Sewer System
44. NDZ - No Discharge Zone
45. NEIWPCC - New England Interstate Water Pollution Control Commission
46. NMCs - Nine Minimum Controls
47. NOAA - National Oceanic and Atmospheric Administration
48. NOI – Notice of Intent
49. NPDES - National Pollutant Discharge Elimination System
50. NPS - Non-point Source
51. NYCDEP - New York City Department of Environmental Protection
52. NRTMP - Niagara River Toxics Management Plan
53. QAPP - Quality Assurance Program Plan
54. OLP - Onondaga Lake Partnership
55. ORFs - Overflow Retention Facilities
56. PCS - Permit Compliance System
57. PPG - Performance Partnership Grant
58. PP – Priority Permits
59. QSA – Quality Systems Assessment
60. RAP - Remedial Action Plan
61. RCRA - Resource Conservation and Recovery Act
62. RIBS - Rotating Intensive Basin Study
63. RIDE – Required ICIS Data Elements
64. SDWA - Safe Drinking Water Act
65. SNAP - Significant Non-Compliance Action Program
66. SOLEC – State of the Lakes Ecosystem Conference
67. SPDES - State Pollutant Discharge Elimination System
68. SSO - Sanitary Sewer Overflow
69. SWPPP - Storm Water Pollution Prevention Plans
70. TAC - Technical Advisory Commission

Abbreviations and Acronyms (continued)

- 71. TMDL - Total Maximum Daily Load
- 72. TOGS - Technical and Operational Guidance Series
- 73. USGS - United State Geological Survey
- 74. WENDB - Water Enforcement National Data Base
- 75. WET - Whole Effluent Toxicity Testing
- 76. WQ - Water Quality

Strategic Goals & Objectives
(FY 2011-2015 EPA Strategic Plan)

Essential Element 1

Goal 2: Protecting America's Waters

Essential Element 2

Objective 2.2: Protect and Restore Watersheds and Aquatic Ecosystems

| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
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| Component #1 of 8 - Core N/SPDES Permitting and Compliance Assurance | | | |
| a. Core Program Activities (Joe DiMura)(Doug McKenna/Justine Modigliani): | <p>As resources allow, DEC will implement core program activities related to point source surveillance and compliance. Priority will be given to timely response to Significant Non-Compliance for EPA majors and compliance assurance for wet weather SPDES sources (CSO, SSO, CAFO and storm water). Compliance assurance will be achieved through DEC compliance monitoring strategies, compliance assurance and enforcement including coordination with the Chesapeake Bay program that is consistent with DEC guidance and the EPA/DEC enforcement agreements.</p> <p>Continue to implement the EPA/DEC Inspection Workplan (compliance monitoring inspection activity) on an annual basis.</p> | Progress will be discussed at the quarterly SNAP meetings and reported in the quarterly SNAP minutes. | |
| b. Five Year SPDES Permits | By September 1, 2013, DEC will | Progress Through 9/30/13 | |

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| Renewal (Koon Tang)(Doug Pabst): | develop a draft proposal to revise the EBPS Permit Renewal process, with a goal of eliminating administrative renewal of permits. For FY 14, DEC will focus on EPA Major and State Significant SPDES permits. DEC will continue focusing resources on permit renewals with the greatest environmental significance. DEC will discuss options in the final plan for addressing this issue beyond EPA Major and State Significant SPDES permits. A final plan will be developed by December 31, 2013 and implemented beginning on April 1, 2014. | Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14 | |
| c. Significant Non-Compliance Action Plan (SNAP) (Vicky Schmitt) (Doug McKenna) | DEC will continue to participate in the SNAP process and take timely and appropriate action for instances of significant non-compliance by EPA majors. | Progress will be discussed at the quarterly SNAP meetings and reported in the quarterly SNAP minutes. | |
| d. ICIS Maintenance (Bob Wither) (Barbara McGarry (Lynn Capuano) | DEC will maintain 100% of required ICIS-NPDES Data elements (RIDE) in ICIS-NPDES where DEC has program primacy. EPA will maintain 100% of required RIDE in ICIS-NPDES for program where EPA has program primacy. EPA will enter their inspections and enforcement actions into ICIS. | Progress reported thru RIDE. | |
| e. ICIS Implementation (Bob Wither) (Barbara McGarry) (Lynn Capuano) | DEC will continue to participate in implementing EPA's ICIS-NPDES system. DEC will continue to work | Progress reported in quarterly progress reports in addition to semi-annual GROG reports. | |

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| | towards implementing CROMERR and phasing in use of electronic reporting for NPDES reporting requirements. | | |
| f. Pretreatment Program (Vickie Schmitt) (Doug McKenna) | DEC will address effluent violations caused by indirect industrial discharges and will report through the SNAP program. EPA will continue to directly implement the pretreatment program. | Progress will be discussed at the quarterly SNAP meeting and reported in the quarterly SNAP minutes. | |
| g. Enforcement Action Plan–Public Access to Compliance Information (Vickie Schmitt) (Doug McKenna): | DEC will annually publish a comprehensive SPDES compliance report. The report summarizes state-wide permit, inspection and enforcement statistics for all SPDES permit categories. The report will be posted on the DEC public website. | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14 DEC will publish the annual compliance report for SFY 2012/13 on the DEC Public website by September 30, 2013. | |
| h. Individual Permitting (Shayne Mitchell) (Michelle Josilo) | (i) DEC will meet semi-annually with EPA to review the status of all permitting commitments. (ii) DEC will finalize and issue EPA's priority permits (PP). (iii) DEC will issue EBPS permits in accordance with Department guidance. (iv) DEC will draft 5% of the high | Progress through 9/30/13 reported on 10/31/13 and progress through 3/31/14 and reported on 4/30/14 (i)Semi-annual meetings. (ii) DEC will issue 12 final priority permits by 9/30/13. DEC will report on the new EPA FY 2014 PP universe by 8/31/13 and commit to a new target by 9/30/13. | (i) WQ-11 (number, and percent of follow-up actions that are completed by assessed NPDES programs): <u>indicator</u> (ii)WQ-19a (Number of high priority state NPDES permits that are issued as scheduled): NY target = 12 |

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| | <p>priority EBPS Permits within the fiscal year, with an interim milestone date of June 30 for sending out a Request for Information to each subject permittee. DEC plans to issue each final permit within 90 days from the end of the comment period unless the draft permit is subject to adjudication, extensive technical issues, extensive EPA comments or extensive public concern. If a permit is adjudicated, has extensive technical issues, has extensive EPA comments or has extensive public concern, DEC will make every effort to finalize that permit as soon as possible.</p> <p>(v) Permits will include Whole Effluent Toxicity (WET) limits where a Reasonable Potential (RP) analyses has demonstrated them as appropriate (acute or chronic including sublethal endpoints). DEC will perform RP analyses for permits consistent with Federal regulations at 40 CFR 122.44(d)(1)(i) and DEC's finalized WET TOGS.</p> <p>(vi) DEC will maintain a No Administrative Renewal List (NARL) for <u>applicable</u> permits.</p> | <p>(iii) DEC will produce an annual list of EBPS Department initiated permits that have been issued in the previous year.</p> <p>(iv) DEC will report annually on the status of EBPS implementation on 4/30/14.</p> <p>(v) DEC has provided a discussion of the RP analyses of WET in accordance with DEC's WET TOGS in the fact sheet. DEC will add a summary table to the fact sheet to provide the existing effluent WET data and a summary of the results of the analyses, when reasonable potential analysis for the specific facility has been performed.</p> <p>(vi) The NARL will be submitted to EPA on a semi-annual basis.</p> | <p>WQ 12a - Percent of non-Tribal facilities covered by NPDES permits that are considered current. (Target: 90%)</p> |
| <p>i. Disinfection Policy – TOGS (Shayne Mitchell) (Michelle Josilo)</p> | <p>DEC will continue efforts for updating the disinfection policy</p> | <p>Progress Through 9/30/13 Reported on 10/31/13 and Progress</p> | |

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| | through updating Division of Water Technical and Operational Guidance Series (TOGS). Federal regulations require Enterococcus or E.Coli effluent limits for all facilities that discharge directly to the Great Lakes or coastal waters. | Through 3/31/14 and Reported on 4/30/14. DEC will include, at minimum, Enterococcus or E.Coli monitoring in permits for all facilities that discharge directly to the Great Lakes or coastal waters. | |
| j. Permit Modification for Pre-Treatment Program (Koon Tang)(Doug Pabst) (Jacqueline Rios) | For POTW's with EPA-approved pretreatment programs, DEC will send EPA information it receives from POTWs requesting approval of the discharge of gas extraction wastewater (from either horizontal or vertical drilling). This information should be provided to EPA within two weeks of NYSDEC's receipt of the submission. | 100% of requested information is provided to EPA within two weeks of receipt by DEC. | |
| k. General Permit Tracking (Carol Lamb-LaFay)(Doug Pabst): | DEC will track and report all facilities and activities that are provided coverage under the general permits issued by DEC. | DEC will continue to enter data into EPA's ICIS. EPA will consult ICIS for CAFO, MS4, and industrial stormwater information. DEC will continue to maintain a separate database for all construction stormwater permits and multi-sector general permits. This information will be provided to EPA in an annual report. DEC will ensure that the Stormwater program databases will be updated on or slightly before 4/1 and 10/1. | |
| l. CAFO Compliance Assurance Strategy (CAS) (Joe DiMura) (Doug McKenna) | DEC will continue to implement its CAFO Strategic Plan which includes response to water quality complaints, permitting of | Status of DEC implementation of the CAFO Strategic Plan and individual cases of concern to EPA will be integrated into the SNAP | |

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| | unpermitted CAFOs, neutral and targeted inspections with a priority on large CAFOs, appropriate response to non-compliance with the CAFO General SPDES permit, and a “CAFO Compliance Toolbox.” | process. | |
| m. Combined Sewer Overflows (CSO) (Koon Tang) (Doug Pabst) (Vicky Schmitt) (Doug McKenna) | DEC will modify CSO permits when the LTCPs are approved by DEC. DEC will submit reports in accordance with the CSO Strategy. | <p>1) Progress on SPDES permitting aspects will be reported in accordance with the current CSO Strategy.</p> <p>2) DEC will meet with EPA on quarterly intervals supplemented by as needed teleconferences to discuss progress with the implementation of the CSO Strategy</p> <p>3) By September 30, 2013 DEC will produce a report tracking the progress of CSO/LTCP implementation. The report will include the status of CSO facilities that have not yet submitted an approvable LTCP, as well as the tracking of post-construction compliance monitoring plan submittal and approval dates, the submission of monitoring reports, and the implementation status of required CSO controls. End construction dates for implementing key CSO controls will be entered into ICIS.</p> <p>4) In addition, DEC progress on</p> | |

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| | | addressing non-compliance with the EPA CSO Policy and individual cases of concern to EPA will be integrated into the SNAP process. | |
| <p>n. MS4 and Construction Stormwater (Carol Lamb-LaFay) (Stephen Venezia) (Maureen Krudner)</p> <p>(See Component 3, item f. for stormwater permit for HVHF)</p> | <p>(i) DEC will implement the Phase II stormwater regulation for construction activities and MS4s. DEC also agreed to modify their Construction General Permit (CGP) to include EPA's numeric Construction and Development(C&D) effluent limitation guidelines by public noticing their draft CGP within four months of the issuance of EPA's final CGP containing the numeric effluent limitation.</p> <p>(ii) DEC will report on the progress of the draft MS4 permit for New York City.</p> <p>(iii) DEC will keep EPA apprised of the status of the state MS4 permit in light of the recent court decision/permit challenge.</p> | <p>Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14.</p> <p>(ii) DEC will plan to release a draft NYC MS4 permit for public notice by August 2013.</p> | <p>WQ-13a and WQ-13c: (number and % of facilities covered under either an individual or general MS-4s or construction permit: <u>indicator</u>.</p> |
| <p>o. CAFO Permitting (Erica Cruden) (Andrea Coats)</p> | <p>DEC will initiate the process to issue a CWA CAFO General Permit that is in compliance with the 2008 CAFO Rule. DEC will finalize the permit as soon as possible.</p> <p>DEC will target the public notice</p> | <p>Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14.</p> | |

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| | <p>of the draft permit by 12/30/13 with an interim report of progress to EPA on or about 6/1/2013.</p> <p>DEC will initiate revisions to Part 750 to make state CAFO regulations fully consistent with federal requirements in the 2003 and 2008 CAFO rules.</p> | | |
| <p>p. Sanitary Sewer Overflows (SSO) (Joe DiMura) (Brian Baker) (Doug Pabst) (Doug McKenna)</p> | <p>DEC will implement its SSO Strategic Plan which includes guidance on permitting and compliance for Types I, II and III SSOs and development of an “SSO Compliance Toolbox.”</p> | <p>Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14.</p> <p>Status of DEC implementation of the SSO Strategic plan and individual cases of concern to EPA will be integrated into the SNAP process. DEC will issue SSO permits in accordance with the EBPS system.</p> <p>DEC will update the SSO Abatement Annual Report to include the list of permittees that have had their permits updated to include requirements of the SSO policy.</p> | |
| <p>q. Permit Quality Review (PQR) Follow-up (Koon Tang) (Michelle Josilo)</p> | <p>EPA conducted a Permit Quality Review (PQR) Audit in 2012. A list of 32 action items was provided to DEC to improve the quality and consistency of SPDES permits issued by DEC.</p> | <p>Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14.</p> <p>By 6/28/2013, EPA will propose a plan to address the Tier 1 items.</p> | <p>WQ-11 (number, and percent of follow-up actions that are completed by assessed NPDES programs)</p> |

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| | | Discussions of progress and Tier 2 and 3 action items will occur during conference calls or face-to-face meetings held quarterly. | |
| r. Clean Water Act 316(a) Thermal Variance Determinations (Michelle Josilo)(Koon Tang)(Shayne Mitchell) | SPDES permits and fact sheets should explicitly address and document the basis (including the use of mixing zones) for any Clean Water Act Section 316(a) thermal variance determinations. | DEC permits and fact sheets currently address 316(a) thermal variance determinations, however, EPA will continue to review draft EPA major permits and provide comments on thermal variances when necessary. | |
| s. State Review Framework (SRF) Follow-Up (Joe DiMura)(Vicky Schmitt)(Douglas McKenna)(Christy Arvizu) | <p>EPA Region 2 conducted the SRF review of DEC's SPDES compliance assurance program and identified a list of deficiencies and areas for improvement. DEC and EPA will agree on a plan and prioritized schedule for DEC to address deficiencies.</p> <p>As part of annual SRF data procedures and follow-up, EPA will conduct an Annual Data Metric Analysis (DMA) to send to DEC for review. Both EPA and DEC will engage in dialogue applicable quarterly SNAP meeting to address DMA issues of concern, as needed.</p> | DEC will provide EPA with a tabular progress report prior to each SNAP meeting. DEC and EPA will discuss progress at the quarterly SNAP meetings. | |
| t. Mercury Multiple Discharger Variance (Shayne Mitchell)(Karen O'Brien) | DEC currently implements a mercury multiple discharger variance (MDV), established in TOGS 1.3.10, that expires in | Progress through 9/30/13 reported on 10/31/13 and progress through 3/31/14 reported on 4/30/14. | |

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| | <p>September 2015.</p> <p>Development and implementation of a renewed mercury variance is integral to ensuring permits meet Great Lakes Initiative (GLI) requirements going forward.</p> | <p>DEC will begin to work on a renewed MDV which will address regulatory requirements, particularly for Great Lakes dischargers, and address EPA's concerns with the current variance. EPA will work with DEC as needed in developing the approach, with a target of March 30, 2014 for a preliminary draft variance.</p> | |
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Component #2 of 8 - Water Quality Assessment and Reporting [CWA §305(b)]

Section 305(b) of the Clean Water Act requires each state to assess and report biennially on April 1 of every even year, on the ability of all waters of the state to support the goals of the Act. The CWA '305(b) process is the principal means by which EPA, Congress and the public evaluate whether the U.S. waters meet water quality standards, the progress made in maintaining and restoring water quality and the extent of remaining problems. In accordance with '303(d) of the Clean Water Act, every two years each state must identify specific waters that do not fully support uses and submit this list to EPA for approval. The Integrated 305(b)/303(d) Report includes both information required under Sections 303(d) and 305(b).

| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
|---|---|---|--|
| a. CWA §305(b) Submittal and 303(d)List (Integrated Reporting) (Jeff Myers) (Sheri Jewhurst) | <p>DEC will submit to EPA a proposed final 2014 Section 303(d) list by April 1, 2014.</p> <p>DEC will forward to EPA an electronic submittal (spreadsheet format) of the annual 305(b) water quality assessment data update each year. The 2013 electronic update will be submitted by May 1, 2013.</p> <p>DEC will, by April 1, 2014, update its 2012 Section 305(b) Report webpage to reflect progress toward the completion of the 2014 305(b)/303(d) IR, including a narrative summary of proposed changes and links to the portions of the online 305(b) that will be updated during the 2014 cycle.</p> <p>Dependent on EPA's timely review and approval of the 2014 proposed final 303(d) List, DEC will submit the final 2014 305(b)/303(d)</p> | <p>Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14</p> <p>The 2014 proposed Final Section 303 (d) List is the only 305(b)/303(d) Integrated Report product due during this workplan period. Electronic update /submittals for 2013 and 2014 are scheduled to be submitted outside this work plan period.</p> | <p>WQ-7</p> <p>NY's Draft Commitment = 1</p> |

Component #2 of 8 - Water Quality Assessment and Reporting [CWA §305(b)]

Section 305(b) of the Clean Water Act requires each state to assess and report biennially on April 1 of every even year, on the ability of all waters of the state to support the goals of the Act. The CWA '305(b) process is the principal means by which EPA, Congress and the public evaluate whether the U.S. waters meet water quality standards, the progress made in maintaining and restoring water quality and the extent of remaining problems. In accordance with '303(d) of the Clean Water Act, every two years each state must identify specific waters that do not fully support uses and submit this list to EPA for approval. The Integrated 305(b)/303(d) Report includes both information required under Sections 303(d) and 305(b).

| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
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| | <p>Integrated Report and electronic submittal to EPA during the 2014/15 work plan period, anticipated by June 1, 2014.</p> <p>In accordance with the NYS Consolidated Assessment and Listing Methodology NYSDEC will update WI/PWL assessments for drainage basins as appropriate based on available resources and priorities.</p> | | |
| <p>b. Ambient Monitoring (Margaret Novak)(Randy Braun/Darvene Adams)</p> | <p>DEC implements a biological (macroinvertebrate and toxicity testing), physical (habitat), and chemical (water and sediment) monitoring program which on a 5-year rotating schedule encompasses the entire State of New York. The monitoring information is used to update the Waterbody Inventory/Priority Waterbodies List and to produce the biennial 305(b)/303(d) Integrated List/Report. The monitoring program is flexible and is modified</p> | <p>Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14</p> | <p>WQ-5</p> |

Component #2 of 8 - Water Quality Assessment and Reporting [CWA §305(b)]

Section 305(b) of the Clean Water Act requires each state to assess and report biennially on April 1 of every even year, on the ability of all waters of the state to support the goals of the Act. The CWA '305(b) process is the principal means by which EPA, Congress and the public evaluate whether the U.S. waters meet water quality standards, the progress made in maintaining and restoring water quality and the extent of remaining problems. In accordance with '303(d) of the Clean Water Act, every two years each state must identify specific waters that do not fully support uses and submit this list to EPA for approval. The Integrated 305(b)/303(d) Report includes both information required under Sections 303(d) and 305(b).

| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
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| | as needed to reflect resources and priorities. Monitoring data are available electronically. While maintaining statewide coverage via the rotating basins approach, several waterbodies, for which regional issues exist, will be targeted for monitoring. | | |
| c. Long-Term Monitoring Strategy (Margaret Novak) (Randy Braun/Darvene Adams) | DEC will report progress on projects funded with supplemental 106 funds, including any issues that may hinder project implementation or completion. | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14. | WQ-5 |
| d. National Aquatic Resource Survey (NARS Participation) (Margaret Novak)(Darvene Adams) | DEC will participate in planning and implementation (either actively or through request for EPA in-kind services) of NARS surveys. The field portion of the National Rivers and Streams Assessment will be conducted in 2013 through EPA in-kind services; planning for the 2014 portion of the Rivers assessment will be conducted in 2013. | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14. | . |
| e. Quality Assurance (Jason Fagel) (Kathryn Drisco) | In order to assure that all data generated under this Agreement will be of known documented | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on | |

Component #2 of 8 - Water Quality Assessment and Reporting [CWA §305(b)]

Section 305(b) of the Clean Water Act requires each state to assess and report biennially on April 1 of every even year, on the ability of all waters of the state to support the goals of the Act. The CWA '305(b) process is the principal means by which EPA, Congress and the public evaluate whether the U.S. waters meet water quality standards, the progress made in maintaining and restoring water quality and the extent of remaining problems. In accordance with '303(d) of the Clean Water Act, every two years each state must identify specific waters that do not fully support uses and submit this list to EPA for approval. The Integrated 305(b)/303(d) Report includes both information required under Sections 303(d) and 305(b).

| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
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| | quality, DEC will maintain a quality assurance management program which will ensure that quality assurance project plans shall be developed and implemented for each special study and long-range monitoring program conducted by the Division, in cooperation with the Division, or for the Division. As per EPA QA Requirements, NYSDEC will submit an annual Quality Assurance (QA) work plan for 2014 as well as the biennial Quality Management Plan for 2014/15 by April 1, 2014. | 4/30/14 | |
| f. Expanded Citizen Water Quality Monitoring Project (Margaret Novak)(Paula Zevin) | DEC will use \$50,000 of 319(h) discretionary funds from EPA to expand the citizen water quality monitoring project that was piloted in 2012. Biological data collected by trained citizens will be used to increase 305(b) assessments and as a screening tool to target locations for follow-up investigation by professional staff. | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14 | |

Component #3 of 8- Groundwater

Groundwater management and planning are not required by one specific regulatory program, although the assessment of the States surface and groundwater resources is discussed under Section 305(b) of the Clean Water Act. Instead, groundwater is impacted and interacts with numerous regulatory programs, such as the State Superfund, RCRA, CWA and the Safe Drinking Water Act. Comprehensive groundwater management and planning is necessary to coordinate between programs to ensure that overall resource quality is assessed, maintained and remediated by efficient use of available resources. The approximate number of wells to be sampled in each basin will be specified and the QAPP referenced.

| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
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| a. (Dan Kendall) (Steve Gould): | DEC will continue to implement the water well drillers registration/reporting program. | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14 | |
| b. (Jennifer Pilewski) (Steve Gould): | DEC will provide EPA with a list of all newly permitted public water supply wells in Nassau and Suffolk counties. The list will identify municipality names. | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14 | |
| c. (Jim Garry)(Steve Gould): | DEC will continue with USGS the cooperative groundwater mapping project to identify and assess groundwater resources in selected Principal Aquifers within New York. | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14 | |
| d. (Jim Garry) (Steve Gould) | DEC will provide technical assistance to the public water supply program for well permits. This activity will include the review of proposed pump test protocol, the evaluation of pump test data and the evaluation of municipal groundwater withdrawal | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14 | |

Component #3 of 8- Groundwater

Groundwater management and planning are not required by one specific regulatory program, although the assessment of the States surface and groundwater resources is discussed under Section 305(b) of the Clean Water Act. Instead, groundwater is impacted and interacts with numerous regulatory programs, such as the State Superfund, RCRA, CWA and the Safe Drinking Water Act. Comprehensive groundwater management and planning is necessary to coordinate between programs to ensure that overall resource quality is assessed, maintained and remediated by efficient use of available resources. The approximate number of wells to be sampled in each basin will be specified and the QAPP referenced.

| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
|----------------------------------|---|---|-------------------------------------|
| | issues. DEC will provide EPA a list of municipal water supply applicants (with address locations) that have received geotechnical assistance and a list of water supply projects for which hydrogeologic investigations and pump tests have been reviewed. | | |
| e. (Ron Entringer) (Steve Gould) | DEC shall coordinate with NYSDOH on implementing source water protection for drinking water sources. Primary responsibility for reporting on progress regarding this activity will fall to NYSDOH through NYSDOH work plan. | Refer to DOH report for status update. | |
| f. (Ken Kosinski) (Steve Gould) | DEC will ensure that adequate controls and monitoring are set forth in the final supplemental generic EIS for high volume hydraulic fracturing (HVHF) to protect groundwater. DEC will issue, consistent with final Department action on HVHF, a General Permit for Stormwater Discharges from HVHF Activities. | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14 | |

Component #3 of 8- Groundwater

Groundwater management and planning are not required by one specific regulatory program, although the assessment of the States surface and groundwater resources is discussed under Section 305(b) of the Clean Water Act. Instead, groundwater is impacted and interacts with numerous regulatory programs, such as the State Superfund, RCRA, CWA and the Safe Drinking Water Act. Comprehensive groundwater management and planning is necessary to coordinate between programs to ensure that overall resource quality is assessed, maintained and remediated by efficient use of available resources. The approximate number of wells to be sampled in each basin will be specified and the QAPP referenced.

| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
|------------|--|-----------|-------------------------------------|
| | DEC will modify 6NYCRR Part 750 to include provisions to protect surface and groundwaters. | | |

Component #4 of 8- Watershed Planning and Implementation

| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
|--|---|---|--|
| a. HEP Management Conference (Jeff Myers) (Robert Nyman) | DEC is committed to participating on the HEP to address habitat, environmental education, stewardship and water quality issues and working towards developing TMDLs, as necessary, for nutrients, pathogens and toxics in the NY-NJ Harbor waters. | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14 | |
| b. Onondaga Lake (Joe Zalewski) (Christopher Dere) | (i) DEC will oversee all January 20, 1998 ACJ actions. (ii) Participate in the OLP project selection process which has habitat restoration and non-point source reduction projects. | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14 | |
| c. Onondaga Lake (Joe Zalewski) (Christopher Dere) | DEC will continue oversight of the implementation of the project on the Identification of the Primary Sources of Bacteria Loading in Selected Tributaries of Onondaga Lake. | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14 | |
| d. Pollutant Reduction Strategy for the Upper Onondaga Creek Watershed (Joe Zalewski)(Christopher Dere) | DEC will oversee the project Pollutant Reduction Strategy and Implementation for the Upper Onondaga Creek Watershed (Attachment 1) which includes: (1) A synthesis of existing data; (2) convening of a technical advisory panel, and (3) development of a detailed work plan for the | As per the attached proposal, Phase I to be completed by April 2014; With receipt of EPA funds, Phase II to be completed by Fall of 2016. | |

Component #4 of 8- Watershed Planning and Implementation

| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
|---|--|---|--|
| | comprehensive strategy. (319(h) discretionary funds for \$75,000) (see proposal attached) | | |
| e. Chesapeake Bay Program (Angus Eaton/Jackie Lendrum) (Ruth Izraeli) | DEC will work with the Chesapeake Bay Program, the Upper Susquehanna Coalition, USEPA Region 2 and local stakeholder groups to implement New York's WIP. | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14 | |
| f. LISS Management Conference (Ken Kosinski/Lorraine Holdridge) (Mark Tedesco) | DEC is committed to participating on the LISS, with a focus on actions to implement and evaluate the nitrogen TMDL and developing a tool to track progress in attaining the load allocation. For LIS TMDL, participate in five-state LIS TMDL Reassessment work group and support reassessment technical activities, such as evaluation of baseline nitrogen loads, development of options and costs for additional nitrogen reduction. Implement the enhanced implementation plan. | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14 | SP-41 |
| g. Vessel Waste No Discharge Zones (Jeff Myers) (Michelle Josilo) | DEC will submit to EPA additional NDZ petitions as they are completed by designated third party partners. | Progress Through 9/30/12 Reported on 10/31/12 and Progress Through 3/31/12 and Reported on 4/30/13 | |

Component #5 of 8- Nonpoint Source (NPS) Management Program

DEC will use the State's upgraded NPS Management Program Plan, which incorporates the nine (9) Key Elements of an effective NPS Program as prescribed by ASIWPCA and EPA, to help achieve reduction or elimination of impairments to waters of the State from polluted runoff. Implementation activities will focus on achievement of short and long-term goals established for the NPS program and will be consistent with EPA's 11/8/12 Draft NPS Program and Grants Guidelines.

| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
|----------------------------------|---|--|-------------------------------------|
| a. (Don Tuxill)(Alicia Reinmund) | <p>DEC will implement nonpoint source management activities to help protect or achieve reduction or elimination of impairments to waters of the state from polluted runoff or groundwater recharge. Implementation activities will emphasize two principal focus areas:</p> <p>(1) urban, construction and roadway runoff (including stormwater management); and</p> <p>(2) Agriculture.</p> <p>For this PPG grant, state and local funding in an amount equivalent to the state's FFY13 Section 319 allotment will implement watershed based plans or alternate {plans} for watershed restoration and/or protection projects aligned</p> | <p>Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14</p> <p>Update: From a February 19, 2013 conference call discussion and other communication. NYSDEC agreed to provide EPA additional information regarding their watershed planning efforts. NYSDEC and EPA agreed on the</p> | |

Component #5 of 8- Nonpoint Source (NPS) Management Program

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| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
|------------|--|---|-------------------------------------|
| | <p>with the priorities described in the current NY Nonpoint Source Management Program. Applications for Round 19 NY agriculture nonpoint source projects (under the NY Agriculture Environmental Management Program) were due 12/10/12. Approximately \$10.5 million is available. Applications for Round 11 NY non-agriculture nonpoint source are not yet called for.</p> <p>DEC will maintain the NYS Nonpoint Source Coordinating Committee, including workgroups that target the above principal focus areas.</p> <p>DEC will update the Nonpoint Source Management Plan within the state fiscal year. The revised management plan will comport with the criteria set forth in the new 2013 Section 319 Program Guidelines.</p> | <p>following:</p> <p>"After a review of the information that compares the NYSDEC (Ag non-point source) strategic planning effort with the 9 key element planning effort, the Region 2's 319 staff will confer with NYSDEC to determine if an appropriate additional deliverable in this workplan is needed to modify the state's strategic plan so that it is similar (in intent) to the 9 key element plans."</p> <p>Based on February 19, 2013 conference call discussion and further discussions NYSDEC and EPA agreed that to ensure that substantial progress has been made in this activity, NYSDEC agrees to submit a DISCUSSION DRAFT updated Nonpoint Source</p> | |

Component #5 of 8- Nonpoint Source (NPS) Management Program

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| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
|--|--|---|--|
| | | Management Plan by 9/30/13. Final by 9-30-14. | |
| b. (Don Tuxill) (Alicia Reinmund) | (a) DEC will report progress implementing the Nonpoint Source Program through two primary mechanisms: (1) an annual report summarizing the achievements of activities in the Division's non-point source control program and appropriate information per EPA's National Program Activity Measures (PAMs) and (2) DEC will maintain the Grants Reporting and Tracking System (GRTS) for agricultural and non-agricultural nonpoint source projects; in an amount at least equivalent to NYSDEC's FFY 13 319 base allocation; including load reduction data for sediment, nitrogen, and phosphorus. Eligible NPS activities will also be accounted for | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14 (a) Continuous updating of GRTS. NPS Load Reduction data will be entered into GRTS for 2013 by the national deadline of February 15, 2014. Annual Report, March 2014 | |

Component #5 of 8- Nonpoint Source (NPS) Management Program

DEC will use the State's upgraded NPS Management Program Plan, which incorporates the nine (9) Key Elements of an effective NPS Program as prescribed by ASIWPCA and EPA, to help achieve reduction or elimination of impairments to waters of the State from polluted runoff. Implementation activities will focus on achievement of short and long-term goals established for the NPS program and will be consistent with EPA's 11/8/12 Draft NPS Program and Grants Guidelines.

| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
|--|---|---|--|
| | <p>in multiple GRTS data entries corresponding to the components of this workplan. EPA and DEC will work to promote DEC attendance at national NPS program and GRTS meetings.</p> <p>(b) DEC and EPA will collaborate to develop annual targets for WQ-10 (primarily NPS impaired waters partially or fully restored).</p> <p>(c) DEC will work with EPA to develop a process to achieve NPS success in a sustainable manner.</p> | <p>(b) Development of targets and identification of candidate waters by 9/1/13. By March 31, 2014 DEC will develop one to two (1-2) WQ10 success stories.</p> <p>(c) DEC will provide progress report on the development of this process in the semi-annual GROG report.</p> | |
| c. (Don Tuxill) (Alicia Reinmund) | DEC will use \$190,716 for projects in the marine district and/or coastal areas of New York State that address nitrogen and/or pathogen nonpoint source issues and/or hydromodification affecting fish passage in waterbodies that are impaired, stressed or threatened. | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14 | |
| d. (Don Tuxill) (Mario Paula) | NYSDEC will use \$50,000 to implement an aquatic invasive species prevention and control | The two boat inspection stations will be on line during the 2013 boating season (May- October | |

Component #5 of 8- Nonpoint Source (NPS) Management Program

DEC will use the State's upgraded NPS Management Program Plan, which incorporates the nine (9) Key Elements of an effective NPS Program as prescribed by ASIWPCA and EPA, to help achieve reduction or elimination of impairments to waters of the State from polluted runoff. Implementation activities will focus on achievement of short and long-term goals established for the NPS program and will be consistent with EPA's 11/8/12 Draft NPS Program and Grants Guidelines.

| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
|-------------------|--|---|--|
| | program using boat inspection/boat washing stations in major boat launching areas of Lake George. Two boat inspection stations will be purchased and maintained with these funds in accordance with the attached work plan (Attachment 2). | 2013). A report describing the results of the project will be delivered by March 31, 2014. | |

Component #6 of 8 - Great Lakes

"The following Great Lakes activities are performed and also reported under the Great Lakes Restoration Initiative, with coordination and assistance from core (PPG) staff."

| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
|---|--|---|-------------------------------------|
| a. RFP's (Ron Entringer/Angus Eaton) (Alicia Reinmund) | Assist EPA with the review of various federal project proposals under various federal grant funding mechanisms and RFPs including USFWS, USACE, NOAA, GLC, GLNPO and GLRI. | Assistance provided as requested, as resources permit and as appropriate. | |
| b. AOCs (Ron Entringer/Gerry Pratt) (Alicia Reinmund) | <p>(i) For Binational Connecting Channel AOCs - DEC to provide RAP coordination through the Great Lakes St. Lawrence River and Niagara River AOC grant.</p> <p>(ii). For the Buffalo River, 18 Mile Creek and Rochester Embayment AOCs which are being managed by EPA funds to local grantees, DEC is to assist these RAPs to meet the de-listing goals of the Great Lakes Strategy. DEC will work with EPA, local RAP managers and committees to ensure that RAP activities are consistent with state and federal programs and priorities. DEC will provide liaison and technical assistance to EPA and local RAPs as resources are</p> | <p>Progress reported through the grant's semi-annual reporting requirements. Projects are implemented as funding is provided.</p> <p>Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14</p> | |

Component #6 of 8 - Great Lakes

"The following Great Lakes activities are performed and also reported under the Great Lakes Restoration Initiative, with coordination and assistance from core (PPG) staff."

| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
|--|--|---|--|
| | available. | | |
| c. LO LaMP (Ron Entringer) (Alicia Reinmund) | Lake Ontario Lakewide Management Plan (LOLaMP). DEC will provide LaMP related data and information and review and comment on draft water program documents. | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14 (participate in LOMC, LOWG, LOCC, IJC, SOLEC, and GLWQA, etc., meetings and initiatives as resources permit. e.g. current focus on revised work plan, reporting, Binational Biodiversity Conservation Strategy, environmental indicators and near-shore/coastal management strategies) | |
| d. LE LaMP (Ron Entringer) (Alicia Reinmund) | Lake Erie Lakewide Management Plan (LaMP). DEC is to provide, as resources permit, water program assistance on LaMP related data and information and review and comments on draft water program documents. | Progress Through 9/30/13 Reported on 10/31/13 and Progress Through 3/31/14 and Reported on 4/30/14 (participate in LEMC, LEWG, IJC, SOLEC, and GLWQA, etc. meetings and initiatives as resources permit. e.g. current focus on revised work plan, reporting, ecosystem objectives and nutrient | |

Component #6 of 8 - Great Lakes

"The following Great Lakes activities are performed and also reported under the Great Lakes Restoration Initiative, with coordination and assistance from core (PPG) staff."

| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
|--|--|---|--|
| | | management strategy) | |
| e. NRTMP (Ron Entringer/Don Zelazny)(Michael Shaw) | Niagara Rivers Toxics Management Plan (NRTMP). DEC is to provide as resources permit, water program assistance on the NRTMP Monitoring Committee and NRTMP Secretariat committee, related data and information and review and comments on draft water program documents and strategies as appropriate. | <p>For activities beyond "core water program involvement," DEC participation is to be covered by a separate grant (GL97257-08).</p> <p>Thereafter, progress is to be reported through the grant's reporting requirements. EPA and NYSDEC complete and publish a Final 2012 Annual Status Update for Reduction of Toxics Loadings to The Niagara River from Hazardous Waste Sites in the United States -- anticipated for the spring of 2013. A 2013 report is expected by December 31, 2013.</p> <p>This work is performed by NYSDEC's Division of Environmental Remediation.</p> | |

| Component 7 of 8 - Turf Management Training for Schools and Day Care Centers | | | |
|---|---|--|--|
| Components | Narrative | Indicator | FY 13 Performance Activity Measures |
| Turf Management Training for Schools ()(Mary Roy)(Alicia Reinmund) | <p>The DEC will issue a Request for Quotations and award a contract to provide training on alternatives to pesticides for grounds management at schools and day care centers. Such training will assist schools and day care centers in complying with a new State statute prohibiting the use of most pesticides on playgrounds, playing fields, and turf. Implementation of the law could result in a reduction in children's exposure to pesticides in the school/day care environment and, by reducing overall pesticide use, mitigate non-point source pollution to groundwater and from pesticide-contaminated stormwater runoff and, with certain products, contamination from pesticide drift and evaporation. In order to ensure the greatest measure of success for this newly required approach to grounds management and the greatest reductions in the potential for both children's exposure and off-site contamination, DEC will seek proposals showing experience in training in alternative pest management for grounds or the ability to employ experienced individuals for the training.</p> | <p>Progress through 9/30/13 reported on 10/31/13 and progress through 3/31/14 reported on 4/30/14</p> <p>NOTE: NYS fiscal procedures and situation result in the need for flexibility on these milestones: The Request for Quotations was prepared and undergoing internal approval in January 2013. A detailed RFQ calling for qualified instructors, a course agenda and other specifics was prepared for quality of training in organic and alternative pest management methods. It is expected that the RFQ will be issued before the end of March 2013.</p> <p>Proposals will be due within 30-45 days of public notice of contacting potential bidders, with a goal of awarding the contract by Spring 2013.</p> <p>We will request completion of the training by the contractor before the end of 2014.</p> | |

| Component #8 of 8 - District Management Information System | | | |
|--|---|--|--|
| Components | Narrative | Indicator | FY 12 Performance Activity Measures |
| District Management Information Systems (DMIS) (Leslie Brennan) (Robert Simpson) | <p>The DEC will design and build a new District Management Information System (DMIS) – now referred to as the eFind System - to address the challenges in collecting and managing information associated with the identification and geo-referencing of all DEC regulated entities. The eFind system will: (1) follow agency-wide application technology standards; (2) improve locational accuracy of regulated facilities in the system through the use of geospatial technology; (3) streamline the resolution of duplicate facility information and facility data reconciliation across programmatic information systems; (4) expand coverage of regulated entities to include all environmental programs.</p> <p>Completion of the development of the eFind System by August 30, 2013.</p> | <p>Progress will be discussed via monthly teleconferences and reported in the semi-annual program review meetings.</p> <p>Major project document deliverables, including: user stories used in the development, test plans, system documentation and all project management deliverables including project plan, communications plan, status reports and issues log.</p> <p>Completion of the eFind System by August 30, 2013. Operational system deployed to the agency's production environment.</p> | |

Attachment 1

Pollutant Reduction Strategy and Implementation for the Upper Onondaga Creek Watershed

Comprehensive watershed management strategy is needed to address the water quality impairments in the Upper Onondaga Creek watershed, including defining the water quality goals in terms of NY State Water Quality Standards and other considerations, especially those of the Onondaga Nation, and identifying the most cost-effective solutions for restoring the creek. This proposal would fund the first phase of the strategy with an option for the second phase. Phase I includes: (1) A synthesis of existing data; (2) convening of a technical advisory panel; (3) development of a detailed workplan for the comprehensive strategy. Phase II includes: (1) Development of the comprehensive strategy as an adaptive management plan, including engineering feasibility and design for priority project(s); and (2) implementation of pilot priority restoration project(s). The culmination of efforts would be the removal of the Upper Onondaga Creek portion from the Section 303(d) list of impaired waterbodies.

The Strategy will build on the conclusions and recommendations contained in the Onondaga Creek Revitalization Plan which was agreed upon by the Onondaga Nation in consultation with local private landowners, municipalities and other stakeholders. The plan was funded and supported by the Onondaga Lake Partnership. The Strategy will also build upon extensive data collection efforts recently conducted in the watershed by the OLP.

The Strategy would characterize the water quality threats in the watershed by analyzing the existing data and determining the BMPs needed to address water quality impairments and restore designated uses in and around the watershed of the Upper Onondaga Creek including the Onondaga Nation territories. Some of the water quality concerns that have been identified are: damming, channelization, sedimentation including the Tully Valley Mudboils, temperature increase, nutrient enrichment, habitat and native species loss, invasive species; and land use practices throughout the watershed including agriculture, gravel and former solution mining, municipal solid waste disposal, and potential hydraulic fracturing for natural gas. The beneficial uses of the Upper Onondaga Creek include, but are not limited to, recreational, ceremonial, drinking water supply, fish and wildlife habitats and food supply.

A special emphasis will be directed toward addressing excess sediment from entering Onondaga Creek from the mudboil area. This will include a standing technical advisory panel that will evaluate all current and past water quality monitoring data, hydrologic studies of surface and groundwater and Agricultural Environmental Management (AEM) implementation efforts in the Upper Onondaga Creek watershed information and if needed, identify data gaps and potential pilot studies. The results and conclusions reached will help direct the implementation phases for mudboil as well as other non-point source BMP controls. It is expected that at least one pilot project will be suggested in the development of a mudboil control strategy. The cost to implement Phase I of the work is \$75,000.

Phase II will focus on the development of the comprehensive strategy addressing multiple target parameters as diverse as sediment from the mudboils, pathogens, nutrients, and habitat and wildlife expressed as environmental objectives of interest to stakeholder parties (e.g. water quality standards, Onondaga Nation vision). The strategy will focus on moving a list of suggested priority projects through evaluation, feasibility and design phases (restoration project “pipeline”) using principles of adaptive management. Design considerations for the Tully Valley Mudboils will include

Attachment 1 (continued)

mitigation of sediment impacts as well as control and elimination of mudboil discharges. The work of the technical advisory panel will continue through Phase II. The cost to conduct Phase II is estimated to be \$350,000.

It is important to note that upon completion of Phase II, substantial funding (\$1.25M) is available through a New York State settlement agreement with Honeywell, Inc. to implement additional projects.

Phase I will be completed by April 2014; Phase II by fall 2016.

Costs:

| | |
|-----------|------------------|
| Phase I: | \$ 75,000 |
| Phase II: | <u>\$350,000</u> |
| Total: | \$425,000 |

Attachment 2

Lake George Boat Inspection/Washing Stations

Funds: \$ 50,000

The rate at which aquatic invasive species are entering Lake George is alarming. In just the past three years, two new invasive species have been discovered in Lake George (Asian clam, spiny water flea). In the previous twenty years, only two had been discovered (zebra mussels and Eurasian water milfoil). It is believed that many of these invasive species are brought into Lake George on recreational boats that are brought in on trailers after having been used in waterways that contain these species. In an effort to prevent and control the introduction of invasive species, the Lake George Park Commission is proposing to expand an existing boat inspection and decontamination (i.e., “boat washing”) program.

NYSDEC will use the funds to buy two boat decontamination (boat washing) units to be used in the aquatic invasive species prevention and control program. Each boat decontamination unit costs approximately \$25,000. This funding is leveraging additional resources from the local Lake George municipalities and nonprofit organizations, in the range of an additional \$50,000 - \$100,000. This funding would be utilized to purchase an additional unit, and to provide staffing for the 2-3 units.

These wash stations will be positioned at the two to three largest launch points to Lake George, including Norowal Marina (Bolton), Mossy Point State Launch (Ticonderoga), and Rogers Rock State Campground (Hague).

There will not be mandatory boat inspections prior to launch on Lake George this year. It is possible that a more comprehensive aquatic invasive species prevention program will be in place for 2014, possibly including mandatory boat inspection and decontamination of boats not meeting the clean/drained/dry standard. For 2013, all decontaminations will be done on a voluntary basis, and people will be encouraged to have their boats decontaminated if they have visible marine growth or are identified as being a high-risk boat by the Boat Launch Steward.

Implementation Dates: The two boat inspection stations will be on line during the 2013 boating season (May- October 2013). DEC will provide a report describing the results of the project by March 31, 2014.